

IN THE CLAIMS

Cancel claims 1 and 17 without prejudice.

Please amend the following claims:

Sub B1  
A<sup>2</sup>  
2. (Amended) A device for imaging printing plates comprising:

an array of  $n$  laser diodes which image  $n$  image points, so that one laser diode of the array is allocated to each  $i$ -th point, with  $i$  being from  $\{1, \dots, n\}$ , the  $n$  image points being separated by a spatial interval  $l$  between adjacent image points, with a pitch distance  $p$  of dots to be imaged by the array,

the laser diodes being individually-drivable single stripe laser diodes,

wherein the spatial interval  $l$  between adjacent image points, measured in units of the pitch distance  $p$  of the dots, is an integral multiple  $m$  of the pitch distance  $p$  between the dots.

Sub B1  
4. (Amended) The device as recited in claim 2 wherein the spatial interval  $l$  of adjacent image points, measured in units of the pitch distance  $p$  of the dots, is smaller than the number  $n$  of the image points.

A<sup>3</sup>  
5. (Amended) The device as recited in claim 2 wherein the multiple  $m$  and the number  $n$  of the image points are prime numbers.

6. (Amended) The device as recited in claim 2 further comprising imaging optics for correcting at least one of divergence and aberration.

7. (Amended) The device as recited in claim 2 further comprising a control unit, at least one of the laser diodes of the array being controlled by the control unit.

sub B1  
8. (Amended) The device as recited in claim 2 wherein the number of laser diodes in the array is between 10 and 100.

A3 cont.  
9. (Amended) A device for imaging printing plates comprising:

an array of  $n$  laser diodes which image  $n$  image points, so that one laser diode of the array is allocated to each  $i$ -th point, with  $i$  being from  $\{1, \dots, n\}$ , the  $n$  image points being separated by a spatial interval  $l$  between adjacent image points, with a pitch distance  $p$  of dots to be imaged by the array,

the laser diodes being individually drivable single stripe laser diodes,

wherein the laser diodes are spaced apart on the array by a distance of between 100 and 1000 micrometers, and a width of emitter surfaces of the laser diodes is less than 10 micrometers.

sub B1  
11. (Amended) The device as recited in claim 2 further comprising at least one detector for testing for correct functioning and determining a power output of one or of a plurality of the laser diodes.

12. (Amended) The device as recited in claim 2 further comprising a laser controller, the laser controller being controlled as a function of the power output determined by the detector.

A4  
13. (Amended) The device as recited in claim 2 wherein at least one laser diode is a pulse controlled laser.

14. (Amended) The device as recited in claim 2 wherein a repetition rate of the light pulses is at least exactly as great as a pulse frequency of the pulse-controlled laser in order to displace the individual dots.

15. (Amended) The device as recited in claim 2 further comprising imaging optics including at

least one reflective optical element.

16. (Amended) The device as recited in claim 2 further including imaging optics having micro-optical components.

23. (Amended) A print unit comprising at least one device for imaging printing plates, the device including an array of  $n$  laser diodes which image  $n$  image points, so that one laser diode of the array is allocated to each  $i$ -th point, with  $i$  being from  $\{1, \dots, n\}$ , the  $n$  image points being separated by a spatial interval  $l$  between adjacent image points, with a pitch distance  $p$  of dots to be imaged by the array, the laser diodes being individually-drivable single stripe laser diodes; the spatial interval  $l$  between adjacent image points, measured in units of the pitch distance  $p$  of the dots, being an integral multiple  $m$  of the pitch distance  $p$  between the dots.

Please add new claims 25 and 26:

25. (New) A print unit comprising at least one device for imaging printing plates, the device including an array of  $n$  laser diodes which image  $n$  image points, so that one laser diode of the array is allocated to each  $i$ -th point, with  $i$  being from  $\{1, \dots, n\}$ , the  $n$  image points being separated by a spatial interval  $l$  between adjacent image points, with a pitch distance  $p$  of dots to be imaged by the array, the laser diodes being individually-drivable single stripe laser diodes, the laser diodes being spaced apart on the array by a distance of between 100 and 1000 micrometers, and a width of emitter surfaces of the laser diodes being less than 10 micrometers.

26. (New) A printing press comprising at least one print unit in accordance with claim 25.